

DC Surge Protector SPD DC DEFENDER Outdoor Clamshell  
48 Vdc, Full-Mode, 2.5 kA SASD NEMA 3R

**1101-1025**  
**DCOD 48-2.5**



## Features

- NEMA 3R
- 100% SASD Protection
- Screw Terminal Block
- Pole or Wall Mount

## Applications

- Industrial Automation
- Controls & Sense Loops
- Telecommunications Base Stations
- IT & Data Centers
- Wastewater Treatment
- Rail
- Oil & Gas
- LED Lighting

## Description

DC surge protector (also known as SPD or lightning protector) 1101-1025 from Transtector is a NEMA 3R Clamshell style SPD that utilizes state of the art SASD technology to protect critical equipment that operates on a 48 Vdc electrical service. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector DC surge protectors are available in stock with same day shipping.

## Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages	48			Vdc
Current Rating			25	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			88	Vdc

## Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Surge Protection Modes		DC+ to DC-, DC+ to GND, DC- to GND		
Response Time			5	ns
8/20μs Surge Current			2.5	kA
VPL 8/20μs L-G			100 @ 500A	Vpk

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
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## Mechanical Specifications

### Size

Height	2.5 in	[63.5 mm]
Width	5.87 in	[149.1 mm]
Depth	7.19 in	[182.63 mm]
Weight	1 lbs	[453.59 g]
Housing Material and Plating	Noryl N190X	

## Environmental Specifications

### Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C
Environmental Protection (IP) Rating	IP55
NEMA Rating	3R

## Installation

Mount Type	Pole, Wall/Panel
Service Wiring Terminal	
Screw Terminal	#20 to #6 AWG
Status Indication Terminal	
3-Position Screw Terminal	#22 to #16 AWG

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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URL: <https://www.transtector.com/dc-surge-protector-spd-dc-defender-outdoor-1101-1025-p.aspx>

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## 1101-1025 CAD Drawing

